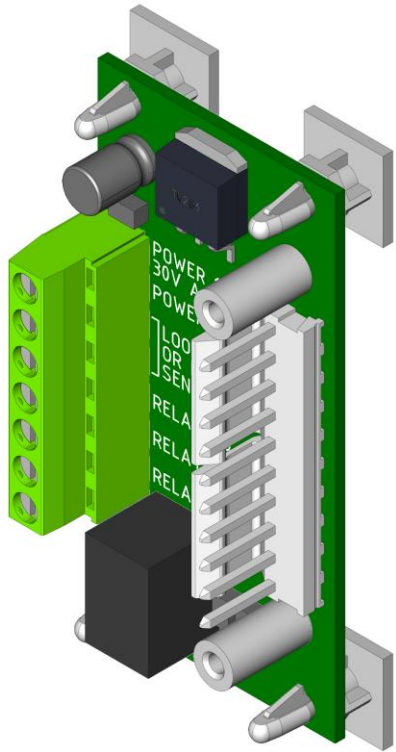


# RK1-R

## Detector Rack with Built-in Relay



Many vehicle detectors are designed to be plugged into a rack including some of the more popular Diablo Controls models. In those installations where a large rack is not available, Diablo Controls has designed a mini rack. The RK1R is designed to accept a plug-in vehicle detector on one side and accept the appropriate wires through the terminal block on the other. The entire mini rack is supported by four adhesive standoffs that attach anywhere in the cabinet.

*This device is designed for detectors that have a solid state output, but need a single relay output.*

Accepts Diablo Controls models DSP-13, AVI-40, DSP-40, and DSP-50.

### Features

- ❖ Operates over a wide range of voltages, AC or DC.
- ❖ Includes four self-adhesive mounts.
- ❖ Single relay SPDT (Form C) output. A common, Normally Open, and Normally Closed.
- ❖ Works with these Diablo Detectors: DSP-40, DSP-50, DSP-13, and AVI-40.

### SPECIFICATIONS

- Operating Temperature:** -35°F to 165°F (-37°C to 74°C)
- Operating Voltages:** 10.5 volts to 30 volts AC or DC.
- Output Ratings:** 3 amps @ 125 volts
- Physical Size:** 3.00" (H) x 1.50" (W) x 0.736" (D)  
76.20 mm (H) x 38.10 mm (W) x 18.69 mm (D)

### 10-pin Molex pin out

Pins	Function
1	Loop
2	Loop
3	AC Hot / DC +
4	No connection
5	No connection
6	No connection
7	No connection
8	Main A output
9	No connection
10	AC Neutral / DC COM

### 7-pin terminal block pin out

Pins	Function	Standard Harness Color
1	30V AC Hot / DC +	Black
2	AC Neutral / DC COM	White
3	Loop	Gray
4	Loop	Brown
5	Output Normally Open (Closes for detect)	Blue
6	Output Common	Yellow
7	A Output Normally Closed (Opens for detect)	Pink or White/Black



Proudly Made in USA  
Veteran Owned & Operated

(800) 878-7829  
www.GateOpenerSafety.com

